

KEN REYNOLDS-PRESIDENT  
GARY W. CHAPPELL-VICE PRESIDENT

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 1498 ROSWELL, NEW MEXICO 88202-1498  
505/623-5070 505/746-2719  
ROSWELL, NM ARTESIA, NM

August 7, 1997

Manzano Oil Corporation  
P.O. Box 2107  
Roswell, New Mexico 88202-2107


RE: Federal (USA) "L" #7

Gentlemen:

The following is a Deviation Survey on the above referenced well located in Lea County, New Mexico.

445' -	1/4 <sup>0</sup>	1980' -	3/4 <sup>0</sup>	3291' -	1 <sup>0</sup>
980' -	1/4 <sup>0</sup>	2493' -	1 <sup>0</sup>	3642' -	1/2 <sup>0</sup>
1456' -	1/2 <sup>0</sup>	3000' -	1 3/4 <sup>0</sup>	3900' -	1/4 <sup>0</sup>

Sincerely,

  
Gary W. Chappell  
Contracts Manager

STATE OF NEW MEXICO)  
COUNTY OF CHAVES )

The foregoing was acknowledged before me this 7th Day of August 1997 by Gary W. Chappell.

MY COMMISSION EXPIRES

JUNE 20, 2000



NOTARY PUBLIC